



FOR CLERK USE ONLY

City Council

Item

No. _____

CITY COUNCIL AGENDA

FACT SHEET

Utility Services

Department

7/28/2009

Requested Date

1. Request:

Council Approval

Information Only/
Presentation

Other (specify)



Hearing



2. Requested Action:

Authorize four wastewater and four water treatment operators to attend the 25th Annual Tri-State Seminar On-The River in Primm, Nevada from Monday September 21, 2009 through Thursday September 24, 2009

3. Fiscal Impact:

Revenue

Increase



Source:

Decrease



Amount:

Cost:

Increase

Source: Water and Wastewater Operating
Funds

Decrease



Amount: \$ 2,700.00

4. Reviewed By:

Finance Dept. on _____

By: _____

Comments: _____

City Attorney on _____

By: _____

Comments: _____

Note: Back up must be submitted along with this form. Deadline is 5:00 p.m., Tuesday, prior to the scheduled meeting date.

CLERK USE ONLY:

CITY COUNCIL DATE:

Action



Consent



Hearing



Filing



Presentation



Other (specify)



Reviewed by: City Clerk _____

City Manager _____

Date _____

Date _____

**CITY COUNCIL
AGENDA REPORT**

SUBJECT: Travel authorization request to the 25th Annual Tri-State Seminar On-The River for four wastewater and four water operators.

AGENDA DATE: August 4, 2009

PREPARED BY: Luis Estrada, Director of Utility Services



APPROVED FOR AGENDA BY: Victor Carrillo, City Manager

RECOMMENDATION: Authorize four wastewater and four water operators to attend the 25th Annual Tri-State Seminar On-The River in Primm, Nevada from Monday September 21, 2009 through Thursday September 24, 2009

FISCAL IMPACT: \$ 2,700.00

BACKGROUND INFORMATION:(Prior action/information):

An important seminar offered annually for members of the California Environmental Association. For over thirteen years, employees of the water and wastewater treatment plants have attended this event. Attendance is rotated to guarantee equal training opportunity to staff.

DISCUSSION (Current consideration):

This seminar provides training on new and/or updated State and Federal laws, methodology and technology, including: laboratory and process control, flow meter maintenance with board diagnostics, UV cured, OSCHA citations, gas detection, the damaging Quagga mussels, drugs and pharmaceuticals, remote monitoring, design and maintenance of air valves, electrical safety, energy control procedures, operating recycled water, and many others.

Agenda Item No. _____

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Tri-State Seminar On-The-River

September 22 - 24, 2009 • Primm, Nevada

The Tri-State Seminar On-The-River Committee invites you to the 25th Annual Tri-State Seminar On-The-River in Primm, Nevada.

Aloha! Welcome to the 25th TRI-STATE SEMINAR On-the-River. We're excited about the program Jake and Tim are putting together. We're going to have a ton of interesting presentations, starting TUESDAY MORNING and running through THURSDAY AFTERNOON. If you're a training maniac, there's 20 contact hours you could get. If your math is rusty, the main man, Eric Wahlberg will be going at it again. We're putting Safety back on a separate track, too.

Bunches of things are changing. Your badge will come in the mail (don't forget to bring it with you!). Presentations start TUESDAY MORNING, September 22nd, and end THURSDAY AFTERNOON, September 24th. Scanning will be a little different, too. If you pre-register and get in Monday, bring your badge and dancing shoes to the Primm Valley Resort's pool area at 7:00 pm and join the celebration! (I hear there'll be music and more until about 11:00 PM.)

Twenty-five years of training, twenty-five years of rubbing elbows with guys and gals in the business, twenty-five years of checking out the latest and greatest stuff, twenty-five years of TRI-STATE! I think it's time to celebrate a little, maybe sit down with the "old guys" to hear a story or three. I might tell one myself...

This one is going to be spectacular! See you there!

Jeff Carter
Executive Committee Chair
Tri-State Seminar On-the-River

History

Background

The AZ Water Association (AZ Water), formerly known as the Arizona Water & Pollution Control Association (AWPCA), and originally known as the Arizona Sewage and Water Works Association, was formed in 1928 by a statewide group of public health officials, public water utility managers and professional engineers to provide a training organization and industry trade network. Its early focus was sharing information and facilitating the resolution of technical problems experienced in the water and wastewater industry. Over the years, the AWPCA became widely known as an innovator in the water treatment industry, providing a number of new ideas and venues which later became incorporated into training programs developed and offered on the national level by the American Water Works Association (AWWA) and the Water Environment Federation (WEF), formerly known as the Water Pollution Control Association (WPCA). The most notable of those training innovations is the Tri-State Seminar On-The-River (TSS).

During the 1980s, the AZ Water used a number of training tools (including but not limited to the annual association conference, the Operators' Forum, certification exam review preparation classes, and one-day seminars) to prepare operators-in-training for entry-level certification and provide more advanced training for career development and higher certification. The One Day Seminar was very popular, directing the student operators' attention to one topic for an entire day, with a number of speakers covering numerous aspects of the subject. Indeed, it was one of these AZ Water One Day Seminars that led to the Tri-State Seminar On-The-River (TSS).

The Start of a Good Idea – The Beginning

In 1984, the AWPCA Education Committee, led by Dennis Goodson and John Getchell, recognized that operating personnel in rural parts of Arizona were not being well served by the Association training efforts in the Phoenix and Tucson areas. John suggested we develop a joint training effort with California for the western Arizona rural areas using Laughlin, Nevada as a location. Getchell then contacted Art Courtright from the Colorado River Basin Section (CORBS), the local section of the California Water Pollution Control Association (CWPCA), later known as California Water Environment Association (CWEA). A meeting was soon scheduled in Yuma, Arizona with members from both organizations to discuss the concept and the possibility of a partnership.

The resulting first joint-training meeting was held in March. That effort was attended by about 27 and was made possible with the assistance and cooperation of the City of Yuma's Kathy Carroll and Vicki Scott. This meeting grew into today's TSS.

Several people from both organizations attended that first meeting and should be recognized for their vision and volunteerism to bring this idea to life. Meeting quarterly through 1984 and 1985 in Blythe, California, they established the organizational protocols, policies, and procedures that would form the basis for a formal agreement between the sponsoring associations.

AWPCA

Dennis Goodson
John Getchell
Kathy Carroll
Vicki Scott
Chuck Ohr
Damon Williams

CWEA/CORBS

Art Courtright
Warren Cross
John Kemp
Merv Sodja
Gary Gray
Greg Terrazas

1985-1990 -- The Formative Years

It took a year from the first genesis meeting in Yuma, Arizona, to stage the first official TSS in September 1985. That 1985 TSS was a one day water and wastewater training session held in the Chamber of Commerce Building in Bullhead City, Arizona. About 75 operators came from Arizona, California and Nevada. John Getchell and Chuck Ohr brought the dunkin doughnuts and made the coffee as well as led the training. Break times were spent skipping stones on the Colorado River from the parking lot and having a smoke outside. The training class included entertainment by Chuck dodging a loose insulation batt falling from the ceiling (unfinished construction). It was evident that the Bullhead City Chamber of Commerce facility was not big enough for the next TSS.

In 1986, the TSS went across the river to Don Laughlin's Riverside Hotel in Laughlin, Nevada. This began about a ten year period during which the TSS would use a number of different Laughlin hotels, sometimes using more than one at a time, experimenting with a chartered bus shuttle, and the use of air-conditioned tents for the manufacturer exhibits and classrooms.

Arizona and Nevada sponsor organizations' volunteers took the lead on most programs and registration-related committees during the first decade; with John Getchell handling Chairman, Secretary, and Treasurer duties; Pat Nelson, Annette Duarte, and Brad Colby on registration; Johnny Martinez leading the audio-video equipment committee; Chuck Ohr finding program speakers, conference novelty items, getting publications printed; and Steve Cottrell handling local arrangements, and connections with the hotels.

In 1987, John Getchell asked the Nevada Water Environment Association (NWEA) to become an official TSS sponsoring association. Steve Cottrell, who was active with the Nevada operator certification board and had attended the earlier TSS meetings, volunteered to be their representative. He then served on the TSS Executive Committee and led the Local Arrangements Committee for many years. Steve played a key role in the success of the TSS through his negotiation skills with the Laughlin hotels. The TSS soon became a major factor in the training opportunities initially only for Nevada, California, and Arizona rural operators. Later, as word spread, it became known as a training and family vacation destination for many operators from across the nation.

In 1988, the first manufacturer's exhibits were added and soon became an integral part of the TSS. The exhibitor fees allowed the TSS to underwrite training costs and maintain a low registration fee for each operator attendee. Initially, these exhibits were small table-top displays but later became regular 8 ft. x 10 ft. booths bringing the latest water and wastewater treatment equipment and information. These exhibits provide an educational opportunity to see the latest technology that most operators would likely never experience. Operators owe a debt of gratitude to early TSS Vender Committee Chairs, Lyman Tremble and Greg Terrazas of the CWEA for initiating this effort.

During the remainder of the 1980s, news of the TSS training value spread and attendance continued to grow about 10-15% per year. Although the TSS started as a one topic-one day seminar, it soon became a multi-track training event extending to three days. Local fire codes dictated room capacities and as more operators came, more concurrent sessions had to be scheduled. The TSS informed the Laughlin Chamber of Commerce on more than one occasion about the growing need for a larger meeting facility.

1990-2004 – The Growth Years

In 1990, John Getchell contacted the Cal/Nev Section of the AWWA to inquire about their possibly joining the TSS as a sponsor association. Bringing the Cal/Nev. Section of the AWWA into the TSS would allow the TSS to serve all water and wastewater treatment industry operators in the tri-state area. Don Roberson became the Cal/Nev Section representative on the TSS Executive Committee (and Chair from 1993 to 1994). In the same year, Paul Hendricks of the AWPCA introduced the annual TSS golf tournament to the event. This was also the first year the TSS recognized a volunteer. Chuck Ohr was presented the first TSS Outstanding Service Award and became the first Chair of the TSS Award Committee. The TSS attendance was about 300. Later, in 1994 the TSS Award Program was expanded with the initiation of the Big Bend Canoe Club (BBCC), to recognize senior volunteers who had served the TSS exceptionally and/or for at least ten years.

As TSS attendance soared, more committees formed, and more volunteers from CWEA, NWEA, AZ Water, and the Cal/Nev AWWA were recruited to share the work. By the millennium, the TSS committee-force had grown to eleven sub-committees filled by as many as 75-100 volunteers. The steady TSS growth into the early 2000s led the TSS Executive Committee to reluctantly recognize that the existing Laughlin facilities were simply inadequate and the annual meeting must move to a location better able to accommodate the TSS needs. So, we made the move to Primm, Nevada, in 2004.

2005-Present – Maturity Reached

As the Tri-State Seminar has grown, we have been fortunate to have had a sufficient number of volunteers to make it the success it has become. The continued growth of new volunteers has made it possible now that no single person has to commit so much that their individual participation is overwhelming. It's encouraging to now see the number of volunteers involved making the TSS a pleasant success. 2008 was the first year we have seen the total participation drop in the 24 year history of the TSS. Nevertheless, cautious optimism still encourages the volunteers as the twenty-fifth anniversary is about to be presented.

Concepts, Policies, Agreements

The following concepts, policies and agreements have been incorporated into a multilateral agreement among the sponsoring associations. Originally the four sponsor-associations who developed the TSS included the California-Nevada Section of the AWWA. Presently, only three sponsor-associations remain with the TSS: AZ Water Association, NWEA, and CWEA (CORBS).

1. The TSS would provide training focused only on practical, application-oriented training objectives that could be used on the job upon return from the seminar;
2. The TSS would be affordable to the line operator (i.e., turning the valve, reading the meter, laying the pipe, or unclogging a main, etc.), not just the manager, engineer, and public health or regulatory official;
3. The TSS would be scheduled at a time which would least conflict with other established training meetings such as the annual local and national professional associations conferences, and at a time easily remembered (every year the TSS days are the same days of the last week in September; originally, this was a Thursday, Friday, Saturday; now it is the Tuesday, Wednesday, and Thursday);
4. Each sponsoring association would equally share in the volunteer responsibilities and asset acquisition. The net proceeds would be divided according to sponsoring association attendance percentage participation;
5. Should a sponsor association leave the TSS organization, the departing association forfeited its TSS-related assets to the TSS;
6. In 1990, the TSS started an incentive program to reward volunteers for active participation. This includes an annual award banquet program at the end of each year's TSS to recognize the individual and employer sacrifices which have contributed to the TSS success. The current awards banquet is also the occasion for reporting the results of the completed TSS and to start working on the next one;
7. A TSS organization by-laws was finalized and agreed to by each of the sponsoring organizations;
8. The Executive Committee has been expanded to four (4) members from each sponsoring organization. Executive Committee responsibilities are rotated among the sponsor association representatives in such a manner that each sponsor-association shares equally in the executive authority;
9. An Awards Committee was established in 1990 to recognize individuals, employers, institutions, and organizations who have contributed to the TSS success.

Respectively submitted,
Charles E. Ohr, TSS Historian

Tri-State Seminar
Tuesday Morning, September 22, 2009
CONFERENCE PROGRAM

TIME	Primm Valley	Primm Valley	Primm Valley	Primm Valley	Primm Valley	Primm Valley
	Shadow Ridge/ Laboratory	Temptation Water Distribution	Desperado Wastewater Treatment/ Operations	Mojave Pretreatment	Granite Falls/Three Peaks Wastewater Collections	Pristine Top Ops Safety Health and Security
7:30am-8:30am	Registration, Coffee and Welcome					
8:30am-9:20am	Session 50 How to Run a Plant With Your Microscope Manuel Sanchez El Centro NAS	Session 51 Differentiating AMR and AMI Steve Davis Malcolm Pirnie	Session 52 EDC's and the Design of Plants Doug Drury Clark County Water Reclamation	Session 53 Trunkline Monitoring Gary Balasian George Rodriguez United Water	Session 54 Tracking Down the Roots of Sanitary Sewers Jon C. Schladoweller	Session 55 Promoting Off The Job Safety Vicki Scott Amigo Farms
9:20am-9:40am	Break					
9:40am-10:30am	Session 70 Laboratory and Process Control For Operators Leanna Rizzo Clark County	Session 71 Use of Meter Master Recorders Steve Davis Malcolm Pirnie	Session 72 Gas Detection For Operators Bob Comer	Session 73 The Truth About F.O.G.? John Shaffer	Session 74 Continued Session from Above	Session 75 Energy Management, Carbon Footprint & Renewable Energy In Treatment Facilities Fernando Samrimento Greely and Hanson
10:40-11:30	Session 101 Laboratory and Process Control For Operators Continued from Above	Session 102 Reduce Flow Meter Maintenance with on Board Diagnostics Ted Hindeman	Session 103 Training on Grinders and Separation Systems Glenn Gordon, JWC Env.	Session 104 The Truth About F.O.G. Part II John Shaffer	Session 105 New Technology for FRP CIPP "UV CURED" Monte Farrow	Session 107 Status of Safety in The Wastewater Industry John Bannen, Workplace Safety Specialists
11:30-12:50	Lunch					
Session 76 Top 10 OSHA Citations Marjorie Boone JoshuaCasey Corporate Training						

Tuesday Afternoon, September 22, 2009
CONFERENCE PROGRAM

Tri-State Seminar Tuesday Afternoon, September 22, 2009 CONFERENCE PROGRAM							
TIME	Primm Valley	Primm Valley	Primm Valley	Primm Valley	Primm Valley	Primm Valley	Primm Valley
	Shadow Ridge	Temptation	Desperado	Mojave	Granite Falls / Three Peaks	Reflections	BallRoom
	Laboratory	Water Distribution	Wastewater Treatment/Operations	Pretreatment	Wastewater Collections	Top Ops	Safety Health and Security
12:50-1:40	Session 108 Jar Testing for Better Plant Performance Bruce Dacko City of Las Vegas	Session 109 Water System Energy Efficiency Kara Festa Mark Taylor West Land Resources	Session 110 Regionalization of Utility Services Manuel Benitez San Bernardino County	Session 111 Dental Best Management Practices and Amalgam Separators Al Dube Solmetex	Session 112 Remote Monitoring Keeping "IT" from Happening David Drake Hadronex Inc.	Session 113 It's Lonely at the Top Fred Kless Jr. Severn Trent	Session 114 Drugs and Pharmaceuticals? Are you Serious? Brad Pritt ISPI
1:40-2:00	Break						
2:00-2:50	Session 115 Working with a Commercial Laboratory Dianne Frydrych Legend Technical Services	Session 116 Water Quality in Distribution Matt Tasch* Utility Services	Session 117 Establishing Operations and Maintenance Duties Larry Goodson AQPC	Session 118 The History of Flow Monitoring Richard Delgadillo HACH	Session 119 Understanding the Power/Physics of Vacuum and How it Works Phillip Stein	Session 120 How to Become Useless Mike Popichak Popichak Environmental	Session 121 Protecting the Emergency Responder Dawn Johnson FD Safety
3:00-3:50	Session 122 Sampling, Monitoring and Lab Forms Dianne Frydrych	Session 123 Quagga Mussels in Southern Nevada Peggy Roeffer	Session 124 Byzozoa: The Unrecognized Treatment Plant Menace Brian Bernard Corollo Engineers	Session 125 Pretreatment Case Study EPA Criminal Investigation Department	Session 126 Session continued from above.	Session 127 Speaker TBD*	Session 128 Evaluating Workplace Exposures Chris Hansen AIHA of Arizona
3:30-7:00	Exhibitors - Buffalo Bills Area						

Wednesday, Morning, September 23, 2009
CONFERENCE PROGRAM

Trip-State Seminar Wednesday Morning, September 23, 2009 CONFERENCE PROGRAM									
TIME	Primim Valley Ballroom Safety, Health, and Security	Primim Valley Shadow Ridge/Carol Creek Wastewater Treatment Operations	Primim Valley Mojave/ Desperado Maintenance	Primim Valley Granite Falls/Three Peaks Wastewater Collections	Primim Valley Temptation Water Distribution	Primim Valley Pristine Instrumentation Electrical	Whiskey Pete's Ballroom Math / Testing Preparation		
7:30-8:20	Confined Space John Bannen Workplace Safety Specialists	Session 202 Energy Optimization at Hill Canyon Treatment Plant Chuck Rogers City of Thousand Oaks	Session 203 Flange Bolting Rich Varralla Tripac Fasteners	Session 204 The Nitty Gritty on Pipe Cleaning Part 1 Duane Johnson	Session 205 Joint Restraint Accommodating Force Patrick Michael, Golden Sun	Session 206 Building and Using Interactive Adobe Forms Mike Tidwell	Session 207 MATH Part 1 Eric Wahlberg Brown and Caldwell		
8:30 - 9:20		Session 209 New Blower Technology Art Anderson Saddleback Environmental	Session 210 Overview of Pumps John Ivins ESSCO Pumps	Session 211 The Nitty Gritty on Pipe Cleaning Part 2 Duane Johnson	Session 212 Horizontal Directional Drilling Steve Harvey GSM	Session 213 Electrical Safety In the Workplace David Kregger	Session 214 MATH Part 2 Eric Wahlberg Brown and Caldwell		
9:20 - 9:40	Break								
9:40 - 10:30	Confined Space John Bannen Workplace Safety Specialists	Session 216 Instruments for Operators Steve Brogie City of Thousand Oaks	Session 217 Pumps Curves and System Head Curves John Ivins	Session 218 Pipeline Inspections Jim Aanderud Immerline Engineering	Session 219 Design and Mtnc. Of Air Valves Cristi Graca and Stew Harvey	Session 220 Electrical Safety Part 2 (Continuation) David Kregger	Session 221 MATH Part 3 Eric Wahlberg Brown and Caldwell		
10:40 - 11:30		Session 223 BNR Alan Krieger Simi Valley	Session 224 Developing a Maintenance Program Paul Walton Evans Hydro	Session 225 Manhole Inspections, The Sometimes Forgotten Link Dennis Pollack	Session 226 Responding to a Recorded Pump Station Failure Chris Hill	Session 227 Electrical Safety Part 3 (Continuation) David Kregger	Session 228 MATH Part 4 Eric Wahlberg Brown and Caldwell		
11:30 - 12:50	Lunch								

Tri-State Seminar Wednesday Afternoon, September 23, 2009									
SEMINAR TECHNICAL PROGRAM									
	Primm Valley Ballroom Safety, Health and Security	Primm Valley Shadow Ridge/ Carol Creek Wastewater Treatment/ Operations	Primm Valley Mojave/ Desperado Maintenance	Primm Valley Granite Falls/Three Peaks Wastewater Collections	Primm Valley Temptation Surface Water	Primm Valley Pristine Instrumentation/ Electrical	Whiskey Pete's Ballroom Math/Testing Preparation		
TIME									
12:50 - 1:40	Session 229 If "Pays" to be Safe Fred Kriess Jr. Severn Trent	Session 230 Archaea Augmentation and Coriform Reduction Chad Meyer Corllo Engineers	Session 231 Intro to Vibration Analysis Jay Dunkelmann Emerson	Session 231 Trenchless Pipe Rehabilitation Dave Badgely Sancon	Session 232 Commissioning Challenges and Opportunities For A UV System Bradley Fuller City of Tempe	Session 233 Interface Measurement for Clarifiers and Thickeners Scott Spencer	Session 234 MATH Part 5 Eric Wahlberg Brown and Caldwell		
1:40 - 2:00	Break								
2:00 - 2:50	Session 235 Energy Control Procedures Brad Pritch ISPI	Session 236 MBR Basics Dave Commons City of North Las Vegas	Session 237 Misalignment Jay Dunkelmann	Session 238 The Nuts and Bolts of GIS Mark Hill RBF Consulting	Session 239 Startup of New Surface Water Treatment Plant Kurtis McDavid Town of Gilbert	Session 240 MCC Arc Flash Hazards Guillermo Serrano	Session 241 MATH Part 6 Eric Wahlberg Brown and Caldwell		
3:00 - 3:50	Session 241 Humor in Safety Tim Page-Bottom and John Kevin-Cobb	Session 242 Odor Control Margaret Regan MWH Global	Session 243 Basics of Oil Analysis Cory Forgeron Analytical Systems Inc.	Session 244 Procedures for Responding to an SSO CWEA SSCSC	Session 245 Full Scale Large Water Treatment Plant Capacity Testing Chrs Cleveland	Session 246 Intro to PLC's Loren Shifley	Session 247 MATH Part 6 Eric Wahlberg Brown and Caldwell		
3:50 - 6:30	Exhibitors - Buffalo Bill's Arena								

Exhibitors - Buffalo Bills Arena

Tri-State Seminar Thursday Morning, September 24, 2009 CONFERENCE PROGRAM							
	Primm Valley	Primm Valley	Primm Valley	Primm Valley	Primm Valley	Primm Valley	Primm Valley
	Temptation	Mojave	Granite Falls/Three Peaks	Pristine	Desperado	Shadow Ridge	Ball Room
TIME	Storm Water/ Run Off	Backflow Prevention	Wastewater Collections	Disinfection	Environmental Compliance	Vessel, Pipe, Tank Maintenance	Maintenance
8:00-8:50	Session 301 Stormwater Management: A tale of Four Cities James Baird Romtec	Session 302 Backflow Prevention Basics Violet Sivik and Eugene Bragazzi	Session 303 Grease Reduction Additives in Collection Systems Marcus Lenger and Robert Carr	Session 304 Chemical Metering Pumps and Accessories Rich Hopkins Hopkins Technical	Session 305 Classification and Labeling of Chemicals Global Harmonized System (GHS) Speaker TBD	Session 306 Water Tank Maintenance Thom Tackman PSI	Session 307 Thermography Sal Difranica ATT Infrared Services
9:00-9:50	Session 308 Impact of Rodeo-Chediski Fire on TOC and TTHM Dipti Shah Town of Gilbert	Session 309 Backflow Prevention Assembly Testing Violet Sivik and Eugene Bragazzi	Session 310 Open Channel Flow Monitoring Paul Mitchell ADS Environmental Services	Session 311 Disinfection Alternatives Rick Reed Chemical Feed Technologies	Session 312 Indoor Air Quality Scott Moseley City of Tempe	Session 313 Water Tank Maintenance Session Continued From above	Session 313 Mechanical Seals Brian Hornsby Global Seal
9:50-10:10	Break						
10:10-11:00	Session 314 Stormwater Management Don Vasco City of Carlsbad	Session 315 Fire Hydrant Vulnerability D. Michael Walden	Session 316 360 Degree Digital Pipe Scanning Eric Sullivan Atlas Inspection	Session 317 Medium Pressure UV Disinfection Martin Lipschultz City of Las Vegas	Session 318 Hazardous Waste For Operators Malcolm Montgomery	Session 319 Water Tank Maintenance Session Continued From above	Session 320 Maintenance on Grinders and Separators Scott Kelly JWC Env.
11:10-12:00	Session 321 Stormwater Management Don Vasco City of Carlsbad	Session 322 BFA's of Fire Suppression Systems Kevin Poe	Session 323 Developing a Lateral Inspection Program Manuel Romero City of Santa Barbara	Session 324 Making Bleach Made Easy Gunnar Thordarson PSI	Session 325 Session Continued from Above	Session 326 Water Tank Maintenance Session Continued From above	Session 327 Turbine Pump Tear-down and Assembly Paul Walton
Lunch 12:00-12:45pm							

Tri-State Seminar Thursday Afternoon, September 24, 2009 CONFERENCE PROGRAM						
	Primm Valley	Primm Valley	Primm Valley	Primm Valley	Primm Valley	Primm Valley
	Temptation	Mojave	Primm Valley Granite Falls/ Three Peaks	Pristine	Desperado	Shadow Ridge
	Ball Room					
TIME	Surface/Ground Water	Backflow Prevention	Wastewater Collections	Disinfection	Environmental Compliance	Reclaim/Reuse
	Maintenance					
12-50-1:40pm	Session 328 Ground Water Recharge Paul Krauth Utah Division of Water Quality	Session 329 Backflow Prevention Assembly Repair Part 1 Jim Purzycki Bayco	Session 330 Laterals and How They are Managed George Solano Matthew Thompson	Session 331 Avra Co-Op Chris Ward, Thom Tackman, Kara Festa PSI	Session 332 An Overview of the CALARP Speaker TBD	Session 333 Recycling Water, It's Your Choice Joe Waters West Basin
1:40-2:00pm	Break					
2:00-2:50pm	Session 335 Ground Water Recharge Part II Paul Krauth Utah Division of Water Quality	Session 336 Backflow Prevention Assembly Repair Part 2 Jim Purzycki Bayco	Session 337 Capital Planning Through Real Time Monitoring David Drake Hardonex	Session 338 Session Continued From Above	Session 339 HMBP What Your CUPA Wants Fresno County CUPA Representative	Session 340 Operating Recycled Water Systems Tom Holliman Lee and Ro
3:00-3:50pm	Session 342 Curbing Storm Drain Run Off Don Wasko City of Carlsbad	Session 343 Backflow Prevention Assembly Repair Part 3 Jim Purzycki Bayco	Session 344 Sewer Line Locating Ron Soyka WCT Products	Session 345 Chemical Disinfection Jim Wright Statewide Disinfection Service	Session 346 Session Continued from Above	Session 347 Case Study of Recycled Water System Tom Holliman Lee and Ro
	Session 348 Using Coatings for Repair Scott Wilson Belzona Systems					
Conference Concludes Thursday, September 24, 2009						